## RECEIVED CENTRAL FAX CENTER NOV 1 4 2006

Application No.: 10/668,735

Case No.: 58727US002

## Listing of Claims:

The following list of claims will replace all prior versions of claims in the application:

- 1. (previously presented) An abrasive article comprising:
  - a flexible backing; and

a plurality of abrasive features, said features comprising a polymeric binder and abrasive particles, wherein said abrasive features have a base, a planar top portion angled in respect to and opposite said base, said planar top portion including abrasive particles thereon, and the abrasive features having at least three sides, the angle between said base and one of said sides forming a positive rake angle.

- 2. (canceled)
- 3. (canceled)
- 4. (previously presented) The article of claim 1, wherein the planar top portion includes a region or point located most distally from the base, and further wherein the region or point projects outside the base perimeter.
- 5. (canceled)
- 6. (withdrawn) A method of making an abrasive article comprising:
  providing a tool including a pattern for forming abrasives features;
  placing abrasive particles in the tool;
  filling the tool with a slurry;
  contacting the slurry to form abrasive features including a top portion be

curing the slurry to form abrasive features including a top portion bonded to said abrasive particles and a bottom portion bonded to said backing.

Case No.: 58727US002

- 7. (withdrawn) The method of claim 6, wherein providing a tool includes providing a tool for forming abrasives features including a planar top.
- 8. (withdrawn) The method of claim 7, wherein the planar top is angled with respect to a reference plane defined by the backing.
- 9. (withdrawn) The method of claim 7, wherein the abrasive particles are aluminum oxide.
- 10. (previously presented) An abrasive article comprising:
  - a flexible backing; and
- a plurality of abrasive features on the backing, each of the abrasive features comprising polymeric binder and abrasive particles, and including a base and a body, wherein the body is defined by four sidewall surfaces and a planar surface opposite to and angled in respect to the base, and wherein at least one of the sidewall surfaces includes an undercut portion between the planar surface and the base.
- 11. (canceled)
- 12. (previously presented) The article of claim 10, further including abrasive particles disposed on the planar surface.
- 13. (canceled)
- 14. (original) The article of claim 12, wherein the undercut portion includes a radiused section adjacent the base.
- 15. (original) The article of claim 10, wherein the undercut portion includes a radiused section adjacent the base.

Case No.: 58727US002

- The abrasive article of claim 10, wherein the plurality of features are 16. (original) arranged in an array wherein each undercut potion is oriented in the same direction.
- (previously presented) The abrasive article of claim 16, wherein the array is oriented at a 17. bias on the backing.
- 18. (canceled)
- 19. (canceled)
- 20. (previously presented) An abrasive feature for an abrasive article comprising:

a base and a body, the body comprising abrasive particles and polymeric binder, the body including four sidewalls and a planar top section disposed substantially parallel to the base, wherein at least one sidewall forms a surface having a positive rake angle, and a radiused portion adjacent the base.

- 21. (canceled)
- 22. (canceled)
- 23. (previously presented) An abrasive feature for an abrasive article comprising:

a base and a body, the body comprising abrasive particles and polymeric binder, the body including four sidewalls, wherein at least one sidewall forms a surface having a positive rake angle, and wherein the surface having the positive rake angle includes a radiused portion adjacent the base.

24. (previously presented) An abrasive feature for an abrasive article comprising:

a base and a body, the body comprising abrasive particles and polymeric binder, the body including four sidewalls and a planar top section disposed distally from the base, wherein at least one sidewall forms a surface having a positive rake angle and the planar top section includes

Case No.: 58727US002

abrasive particles disposed thereon, and wherein the surface having the positive rake angle includes a radiused portion adjacent the base.

- 25. (previously presented) A tool for making the abrasive article in claim 1.
- 26. (previously presented) An abrasive belt for abrading material comprising:
  - a flexible backing defining a belt shape; and
- a plurality of abrasive composites on the backing, each of the abrasive composites comprising polymeric binder and abrasive particles, and including a base and a body, wherein the body is defined by sidewall surfaces and a planar surface opposite to and angled in respect to the base, and wherein at least one of the sidewall surfaces includes an undercut portion between the planar surface and the base.
- 27. (canceled)
- 28. (previously presented) The belt of claim 26, further including abrasive particles disposed on the planar surface.
- 29. (canceled)
- 30. (original) The belt of claim 28, wherein the undercut portion includes a radiused section adjacent the base.
- 31. (original) The belt of claim 26, wherein the undercut portion includes a radiused section adjacent the base.
- 32. (original) The belt of claim 26, wherein the plurality of composites are arranged in an array wherein each undercut potion is oriented in the same direction.

Case No.: 58727US002

- 33. (original) The belt of claim 32, wherein the array is oriented at a bias on the abrasive article.
- 34. (previously presented) A method of abrading a wooden workpiece, the method comprising:

contacting an abrasive article to the workpiece, wherein the abrasive article includes: a flexible backing;

a plurality of abrasive composites on the backing, each of the abrasive composites comprising polymeric binder and abrasive particles, and including a base and a body, wherein the body is defined by four sidewall surfaces and a planar surface opposite to and angled in respect to the base, and wherein at least one of the sidewall surfaces includes an undercut portion between the planar surface and the base, and

wherein a section of the undercut portion engages the workpiece before any other surface of the body.

- 35. (previously presented) The method of claim 34, wherein said contacting an abrasive article comprises contacting an abrasive article including abrasive particles disposed on the planar surface.
- 36. (previously presented) The method of claim 34, wherein said contacting an abrasive article comprises contacting an abrasive article including a radiused portion adjacent the base on at the undercut portion.
- 37. (original) The method of claim 36, further including removing swarf via the radiused portion.
- 38. (original) The method of claim 34, wherein the backing is a belt.